

FORM PTO-1390 (Modified)
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES

112740-152

DESIGNATED/ELECTED OFFICE (DO/EO/US)

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

CONCERNING A FILING UNDER 35 U.S.C. 371

09/762741

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED

PCT/DE99/00071

14 January 1999

10 August 1998

TITLE OF INVENTION

A MOBILE TELECOMMUNICATION DEVICE

APPLICANT(S) FOR DO/EO/US

Ludwig Hofmann

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210).
8. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☒ Certificate of Mailing by Express Mail
20. ☒ Other items or information:

Submission of Drawings Figs. 1-2 on two sheets

U.S. APPLICATION NO. (IF KNOWN) SEE 37 CFR 09/762741	INTERNATIONAL APPLICATION NO. PCT/DE99/00071	ATTORNEY'S DOCKET NUMBER 112740-152
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21. The following fees are submitted..

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

- ☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO **\$1,000.00**
- ☒ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO **\$860.00**
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO **\$710.00**
- ☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) **\$690.00**
- ☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) **\$100.00**

ENTER APPROPRIATE BASIC FEE AMOUNT =**\$860.00**

Surcharge of **\$130.00** for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

\$0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	3 - 20 =	0	x	\$0.00	
Independent claims	1 - 3 =	0	x \$78.00	\$0.00	
Multiple Dependent Claims (check if applicable) . <input type="checkbox"/>				\$0.00	

TOTAL OF ABOVE CALCULATIONS =**\$860.00**

Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable) . ☐

\$0.00**SUBTOTAL =****\$860.00**

Processing fee of **\$130.00** for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

\$0.00**TOTAL NATIONAL FEE =****\$860.00**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). ☐

\$0.00**TOTAL FEES ENCLOSED =****\$860.00**

Amount to be:

refunded \$

charged \$

- ☒ A check in the amount of **\$860.00** to cover the above fees is enclosed.
- ☐ Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **02-1818** A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

William E. Vaughan
Bell, Boyd & Lloyd LLC
P.O. Box 1135
Chicago, IL 60690-1135

SIGNATURE

William E. Vaughan

NAME

39,056

REGISTRATION NUMBER

February 12, 2001

DATE

BOX PCT

IN THE UNITED STATES ELECTED/DESIGNATED OFFICE
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE
UNDER THE PATENT COOPERATION TREATY-CHAPTER II

5

PRELIMINARY AMENDMENT

APPLICANT: Ludwig Hofmann DOCKET NO: 112740-152
SERIAL NO: GROUP ART UNIT:
EXAMINER:
INTERNATIONAL APPLICATION NO: PCT/DE99/00071
INTERNATIONAL FILING DATE: 14 January 1999
INVENTION: A MOBILE TELECOMMUNICATION DEVICE

15 Assistant Commissioner for Patents,
Washington, D.C. 20231

Sir:

Please amend the above-identified International Application before entry
into the National stage before the U.S. Patent and Trademark Office under 35 U.S.C.
§371 as follows:

In The Specification:

On page 1, cancel lines 1-4 and substitute the following therefor:

--S P E C I F I C A T I O N

25

TITLE

A MOBILE TELECOMMUNICATION DEVICE

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention relates, generally, to a mobile telecommunication
device which transmits messages to a number of different subscriber stations via
either a number of radio frequencies or different transmission methods and, more
particularly, to such a mobile telecommunication device wherein the radio frequency

or transmission method is selected or changed depending upon the location of the mobile telecommunication device.

Description of the Prior Art--.

- On page 1, line 12, cancel "which, for" and substitute therefor --. For--.
- 5 On page 1, line 13, insert --such satellites-- before "are".
- On page 1, line 22, cancel "object on which the" and substitute therefor --present---.
- On page 1, line 22, cancel "is based".
- On page 1, line 22, insert a --,-- after "is" and before "therefore".
- 10 On page 1, line 22, insert --, directed-- after "therefore".
- On page 1, line 23, cancel "specify" and substitute therefor --specifying--.
- On page 1, line 23, cancel "by means of" and substitute therefor --via--.
- On page 1, line 23, cancel "the" after "which".
- On page 1, line 24, insert --such-- before "different".
- 15 On page 1, line 24, insert --telecommunication-- after "different".
- On page 1, line 24, insert a --,-- after "regulations".
- On page 1, lines 24-25, cancel "relating to telecommunication".
- On page 1, line 26, insert a --,-- after "time".
- On page 1, line 26, cancel "This object is achieved by the".
- 20 On page 1, cancel line 27 and substitute the following centered heading therefor:

--SUMMARY OF THE INVENTION--.

- On page 1, line 28, cancel "ensured," and substitute therefor --Thus, the present invention teaches--.
- 25 On page 1, line 29, insert --either-- after "via".
- On page 1, line 30, cancel "by means of".
- On page 1, line 31, cancel "and" and substitute therefor --. The present invention further teaches--.
- On page 1, line 35, cancel "that" and substitute therefor --wherein--.

On page 1a, line 1, insert --present-- before "invention".

On page 2, line 6, cancel "in the sense of" and substitute therefor --
contemplated by--.

On page 2, line 9, insert --could be used-- after "devices".

5 On page 2, line 10, cancel "can be used".

On page 2, line 13, cancel "means for".

On page 2, line 14, insert --devices which connect or disconnect-- after
"disconnecting".

10 On page 2, lines 14-15, cancel "in dependence" and substitute therefor --
depending--.

On page 2, line 15, cancel "on" after "or".

On page 2, line 17, insert --present-- before "invention".

On page 2, line 17, insert a --,-- after "account".

On page 2, line 18, insert a --,-- after "manner".

15 On page 2, line 21, cancel "in that" and substitute therefor --wherein--.

On page 2, line 23, insert --present-- before "invention".

On page 2, line 24, cancel "means for" and substitute therefor --a--.

On page 2, line 25, insert --device which determines-- after "determining".

On page 2, line 25, cancel "means for" and substitute therefor --a--.

20 On page 2, line 26, insert --device which generates-- after "generating".

On page 2, line 26, cancel "in dependence" and substitute therefor --
depending--.

On page 2, line 29, insert --present-- before "invention".

On page 2, cancel lines 30-32 and substitute the following therefor:

25 --Additional features and advantages of the present invention are described
in, and will be apparent from, the following Detailed Description of the Preferred
Embodiments and the Drawings.

DESCRIPTION OF THE DRAWINGS--.

On page 2, line 34, cancel "according to" and substitute therefor --of--.

On page 2, line 34, insert --present-- before "invention".

On page 3, line 2, cancel the "." and substitute therefor --; and--.

On page 3, line 4, cancel "according to" and substitute therefor --of--.

On page 3, line 5, insert --present-- before "invention".

5 On page 3, before line 6, insert the following centered heading:

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--

On page 3, line 13, insert a --,-- after "example".

On page 3, line 14, insert a --,-- after "satellites".

On page 3, line 18, cancel "e.g." and substitute therefor --such as--.

10 On page 3, lines 23-24, cancel "the utilization of"

On page 3, line 25, cancel the "," after "links" and substitute therefor a --;--.

On page 3, line 25, insert a --,-- after "e.g.".

On page 3, line 28, cancel "The" and substitute therefor --As such, the--.

On page 3, line 28, cancel "according to" and substitute therefor --of--.

15 On page 3, line 28, insert --present-- before "invention".

On page 3, line 28, cancel "thus".

On page 3, line 29, insert a --,-- after "device".

On page 3, line 30, insert a --,-- after "devices".

On page 4, line 5, cancel "e.g." and substitute therefor --for example,--.

20 On page 4, line 7, insert a --,-- after "18".

On page 4, line 8, cancel the "--" and substitute therefor a --(--.

On page 4, line 9, cancel the "--" and substitute therefor a --)--.

On page 4, line 11, cancel the "," after "algorithms".

On page 4, line 13, cancel the ",".

25 On page 4, line 14, insert a --,-- after "and are".

On page 4, line 15, insert a --,-- after "thus".

On page 4, line 18, cancel "these" and substitute therefor --this--.

On page 4, line 18, cancel "must" and substitute therefor --would--.

On page 4, after line 19, insert the following paragraph:

--Although the present invention has been described with reference to specific embodiments, those of skill in the art will recognize that changes may be made thereto without departing from the spirit and scope of the invention as set forth in the hereafter appended claims.--

- 5 On page 6 (last page), cancel line 1, and substitute the following centered heading therefor:

--ABSTRACT OF THE DISCLOSURE--.

On page 6, line 5, insert --either-- after "via".

On page 6, line 6, cancel "by means of".

- 10 On page 6, line 11, insert --, wherein the mobile telecommunication device-- after "device".

On page 6, lines 12-13, cancel ". This provides for conformance" and substitute therefor --so as to conform--.

On page 6, cancel line 17.

- 15 **In the Claims:**

On page 5, cancel line 1, and substitute the following left-hand justified heading therefor:

--I Claim As Our Invention:--.

- 20 Please cancel claims 1-3, without prejudice, and substitute the following claims therefor:

4. A mobile telecommunication device, comprising:
a facility for transmitting messages to a plurality of subscriber stations via one of a plurality of radio frequencies and different transmission methods; and
a facility for evaluating at least one control signal depending on a position
25 of the mobile telecommunication device for selecting and changing the radio frequencies and transmission methods.

5. A mobile telecommunication device as claimed in claim 4, wherein the facility for transmitting messages includes one of a plurality of radio

facilities and a plurality of controllers, and wherein the mobile telecommunication device further comprises means for connecting and disconnecting the plurality of radio facilities and the plurality of controllers depending on at least one control signal.

5

6. A mobile telecommunication device as claimed in claim 4, further comprising:

means for determining the position of the mobile telecommunication device; and

10 means for generating a control signal depending on the position of the mobile telecommunication device.

REMARKS

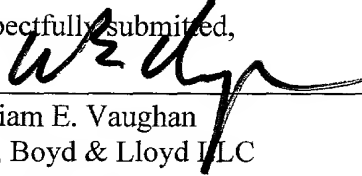
15 The present amendment makes editorial changes and corrects typographical errors in the specification in order to conform the specification to the requirements of the United States Patent practice. No new matter is added thereby. Original claims 1-3 have been canceled in favor of new claims 4-6. Claims 4-6 have been presented solely because the revisions by bracketing and underlining which would have been necessary in claims 1-3 in order to present those claims in accordance with

20 preferred United States Patent practice would have been too extensive, and thus would have been too burdensome. The amendment is intended for clarification purposes only and not for substantial reasons related to patentability pursuant to 35 U.S.C. §§101, 102, 103 or 112. Indeed, the cancellation of claims 1-3 does not constitute an intent on the part of the Applicant to surrender any of the subject matter

25 of claims 1-3.

Early consideration on the merits is respectfully requested.

Respectfully submitted,



(Reg. No. 39,056)

William E. Vaughan
Bell, Boyd & Lloyd LLC
P.O. Box 1135
Chicago, Illinois 60690-1135
(312) 807-4292
Attorneys for Applicant

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BOX PCT

IN THE UNITED STATES ELECTED/DESIGNATED OFFICE
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE
UNDER THE PATENT COOPERATION TREATY-CHAPTER II

5

APPLICANT: Ludwig Hofmann DOCKET NO: 112740-152

SERIAL NO: GROUP ART UNIT:

EXAMINER:

10 INTERNATIONAL APPLICATION NO: PCT/DE99/00071

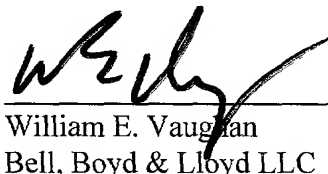
INTERNATIONAL FILING DATE: 14 January 1999

INVENTION: A MOBILE TELECOMMUNICATION DEVICE

15 Assistant Commissioner for Patents,
Washington, D.C. 20231**SUBMISSION OF DRAWINGS**

Applicant herewith submits two sheets (Figs. 1-2) of drawings for the
20 above-referenced PCT application.

Respectfully submitted,



(Reg. No. 39,056)

25

William E. Vaughan
Bell, Boyd & Lloyd LLC
P.O. Box 1135
Chicago, Illinois 60690-1135
(312) 807-4292
Attorneys for Applicant

30

1/2

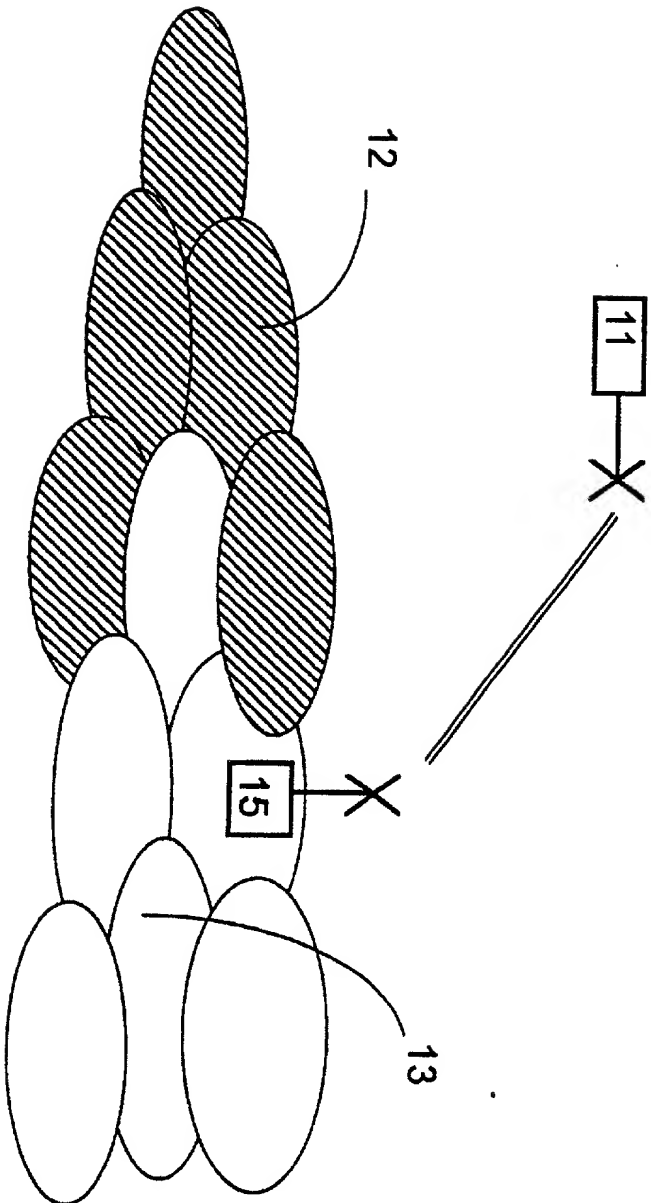


Fig. 1

2/2

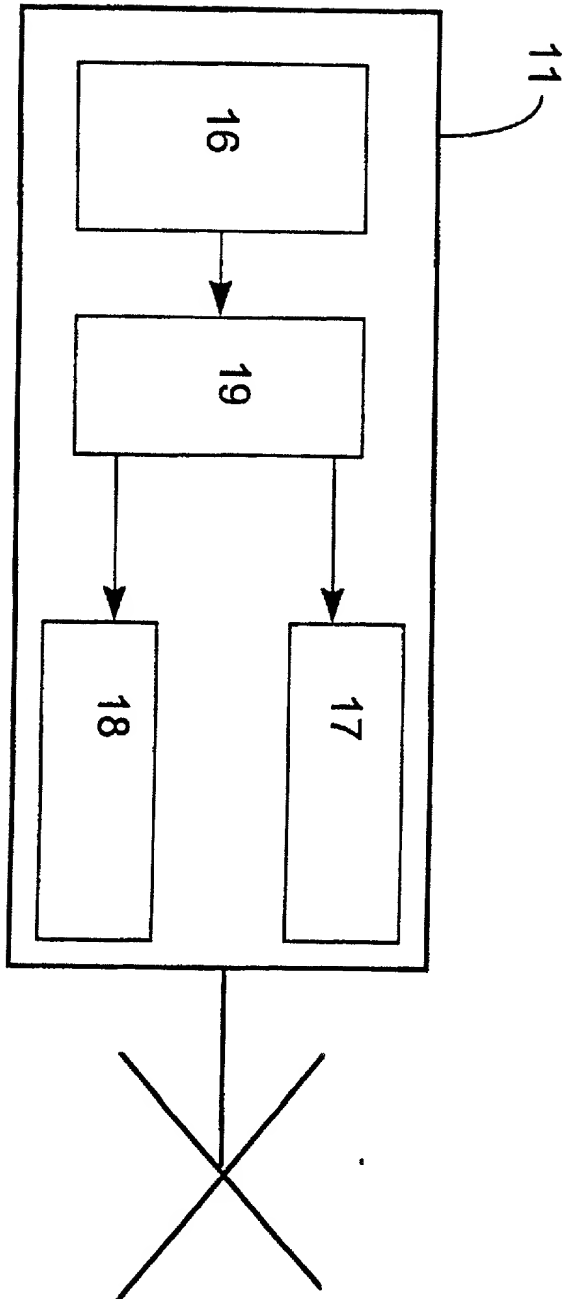


Fig. 2

Description

Mobile telecommunication device

5

In conventional systems for wireless telecommunication, mobile subscriber stations usually communicate via stationary facilities of the infrastructure. In contrast with this, satellite systems are now planned or being set up in which the infrastructure, that is to say the base stations, are implemented by satellites which, for various reasons, are not geostationary but orbit the earth at a relatively low altitude and, in doing so, continuously change their location in relation to the earth's surface.

In the course of their movement around the globe, these mobile telecommunication devices will fly successively over the territories of different countries in which different regulations for utilizing frequencies or transmission protocols apply. The object on which the invention is based is therefore to specify the technical teaching by means of which the conformance to different regulations relating to telecommunication which vary locally and possibly with time is made possible. This object is achieved by the subject matters of the present claims. It is thereby ensured, using a facility for transmitting messages to a multiplicity of subscriber stations via a number of radio frequencies or by means of different transmission methods and a facility for evaluating at least one control signal depending on the position of the telecommunication device for selecting or changing the radio frequencies or transmission methods used by the telecommunication device, that the respective applicable regulations are observed.

The invention thus provides for a very extensive, time-optimized adaptation of the mobile infrastructure facilities to

a multiplicity of national radio transmission regulations which permits better utilization of transmission resources than the use of transmission resources which have been released globally.

5 Naturally, satellites are not the only conceivable mobile telecommunication facilities in the sense of the present invention. Naturally, mobile devices on ocean-going ships or as payload of airships and similar mobile telecommunication devices in the sense of the
10 present invention can be used.

A preferred embodiment of the present invention provides for the use of a number of radio facilities or controllers and the use of means for connecting or disconnecting these radio facilities or controllers in
15 dependence on a control signal or on a number of control signals. This advantageous embodiment of the invention thus takes into account in a particularly simple and robust manner the fact that a satellite-supported telecommunication system is frequently in
20 simultaneous contact with the territories of a number of countries in that suitable radio facilities can be provided for different countries.

A further preferred embodiment of the invention provides that the device is equipped with means for
25 determining the position of the device and means for generating a control signal in dependence on the current position. This has the advantage that no special terrestrial infrastructure needs to be created for implementing the invention.

30 In the text which follows, the invention will be described with the aid of preferred embodiments and with the aid of figures, in which:

Figure 1 shows a diagrammatic representation of the interaction of a device according to the invention
35 with a terrestrial

infrastructure for controlling the telecommunication device.

Figure 2 diagrammatically shows a preferred embodiment of the telecommunication device according to the invention using a number of radio facilities.

Figure 1 illustrates how a mobile telecommunication device 11 (satellite) can be caused to select or change the radio frequencies or transmission methods by a control signal 14 when flying over a boundary region between two locally limited mobile radio infrastructures 12, 13. The control signal can be sent out directly by terrestrial 15 (radio beacon) or other stationary devices (for example geostationary satellites etc.) or it can be generated by a device for position finding 16 in the telecommunication device itself. Thus, if the telecommunication device 11 is within transmission range of a radio beacon 15, a response, e.g. a change of frequency or operating mode, is automatically initiated in the telecommunication device.

In this manner, the mobile telecommunication device can optimally adapt to local or time-defined regulations regarding the use of frequencies or the utilization of transmission methods. It is possible, for example, to locally influence satellite links, e.g. the use of a satellite could be blocked for certain user groups in trouble spots.

The device according to the invention thus typically contains a controllable radio device or a number of such radio devices which can be switched on and off by a programmable controller. The information

regarding when this is to be done is derived from a control signal. This signal originates from an external device or is derived in the mobile telecommunication device from position data which can
5 come, e.g. from a global positioning system (GPS).

It is advantageous if a number of radio parts 17, 18 or a radio part which can be switched to a number of frequencies - differentiated, if necessary, depending on uplink or downlink - or operating modes, is
10 integrated into the telecommunication device. In this arrangement, the information table or algorithms, which establish the relationship between current position and the corresponding operating mode of the radio parts, are also changed by a central control station and are
15 thus adapted to changing regulations.

Accordingly, a storage device for such tables (data records) and a processor 19 for processing and adapting these stored data must be provided in such a mobile telecommunication device.

Patent Claims

1. A mobile telecommunication device (11) using a facility for transmitting messages to a multiplicity of
5 subscriber stations via a number of radio frequencies or by means of different transmission methods and a facility for evaluating at least one control signal (14) depending on the position of the telecommunication device for selecting or changing the radio frequencies
10 or transmission methods used by the telecommunication device.
2. The device as claimed in claim 1 using a number of radio facilities (17, 18) or controllers and means for connecting or disconnecting these radio facilities or
15 controllers in dependence on a control signal or on a number of control signals.
3. The device as claimed in one of the preceding claims using means for determining the position of the device and means for generating a control signal in
20 dependence on the current position.

Abstract

A mobile telecommunication device using a facility for transmitting messages to a multiplicity of subscriber stations via a number of radio frequencies or by means of different transmission methods and a facility for evaluating at least one control signal depending on the position of the telecommunication device for selecting or changing the radio frequencies or transmission methods used by the telecommunication device permits the location-dependent configuration of the radio frequencies and transmission methods. This provides for conformance with local differences in radio transmission regulations in satellite systems and other mobile radio systems.

Figure 1

1/2

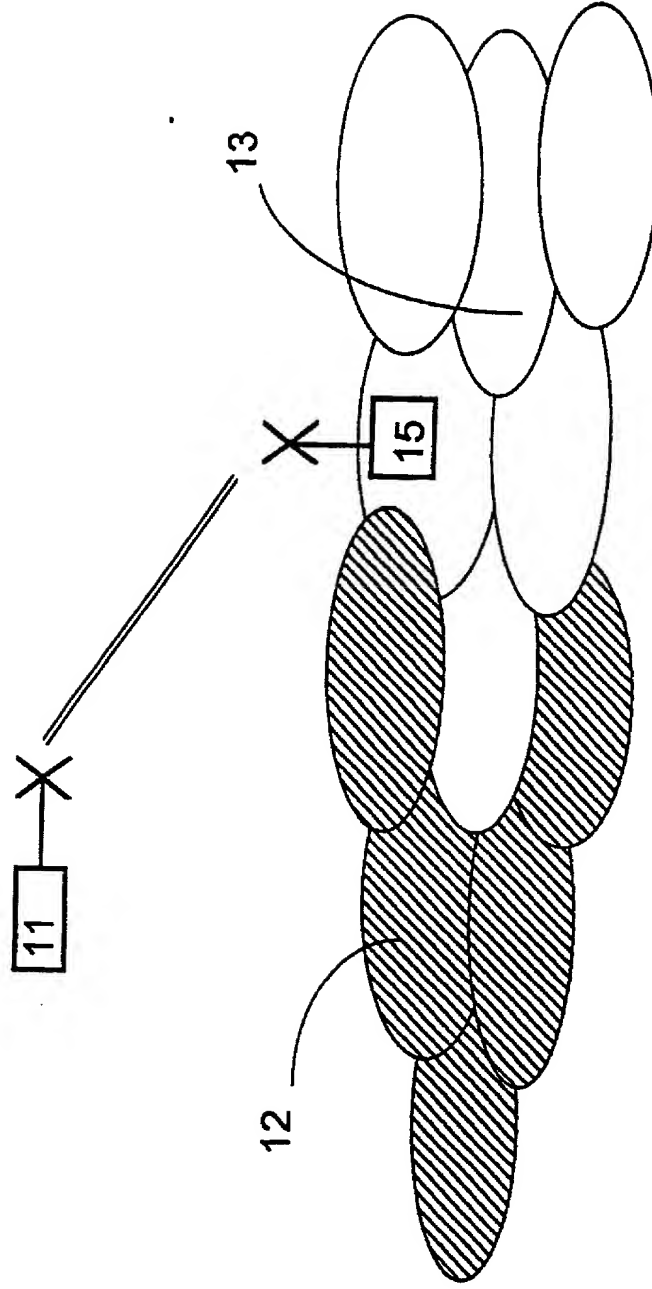


Fig. 1

2/2

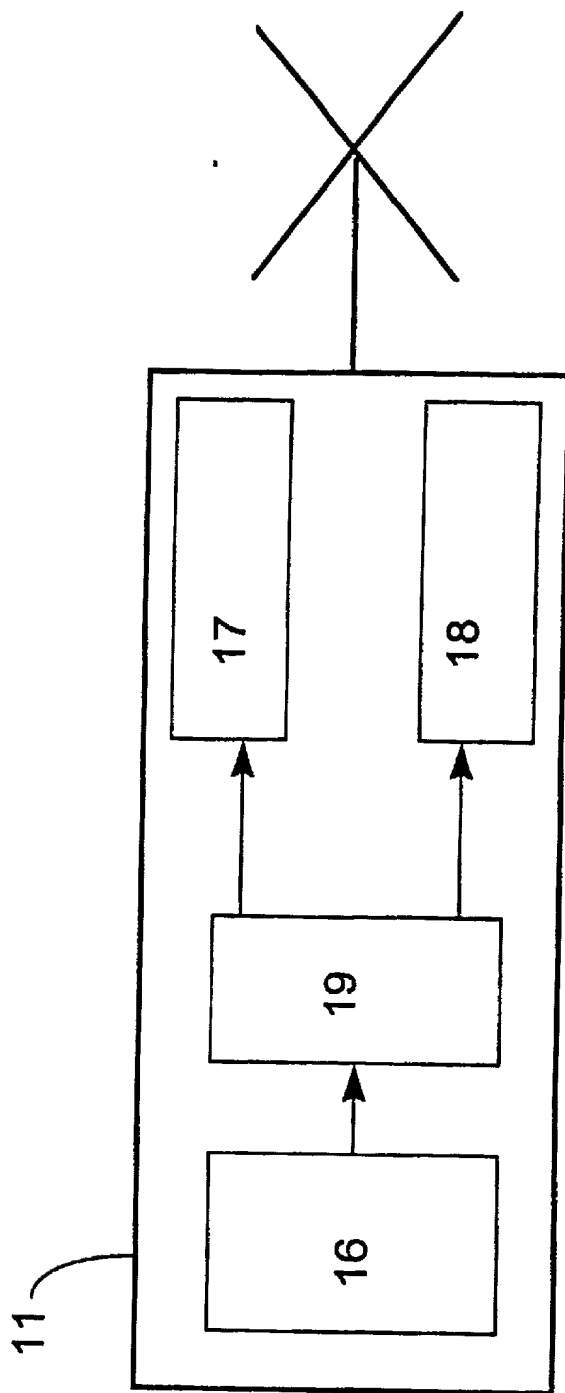


Fig. 2

Declaration and Power of Attorney For Patent Application

Erklärung Für Patentanmeldungen Mit Vollmacht

German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

As a below named inventor, I hereby declare that:

dass mein Wohnsitz, meine Postanschrift, und meine Staatsangehörigkeit den im Nachstehenden nach meinem Namen aufgeführten Angaben entsprechen,

My residence, post office address and citizenship are as stated below next to my name,

dass ich, nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Mobile Telekommunikationsvorrichtung
zur Unterstützung ortsabhängiger
Funkfrequenzen und
Übertragungsverfahren

deren Beschreibung

the specification of which

(zutreffendes ankreuzen)

(check one)

☒ hier beigelegt ist.

☐ is attached hereto.

☐ am _____ als

☐ was filed on _____ as

PCT internationale Anmeldung

PCT international application

PCT Anwendungsnummer _____

PCT Application No. _____

eingereicht wurde und am _____

and was amended on _____
(if applicable)

Ich bestätige hiermit, dass ich den Inhalt der obige ☐ Patentanmeldung einschliesslich der Ansprüche durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag wie oben erwähnt abgeändert wurde.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.

Ich erkenne meine Pflicht zur Offenbarung irgendwelcher Informationen, die für die Prüfung der vorliegenden Anmeldung in Einklang mit Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, an.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten angegebenen Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde, und habe auch alle Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde nachstehend gekennzeichnet, die ein Anmeldedatum haben, das vor dem Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

German Language Declaration

Prior foreign applications
Priorität beansprucht

Priority Claimed

198 36 145.9 Germany
(Number) (Country)
(Nummer) (Land)

10. August 1998
(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☒ ☐
Yes No
Ja Nein

(Number) (Country)
(Nummer) (Land)

(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☐ ☐
Yes No
Ja Nein

(Number) (Country)
(Nummer) (Land)

(Day Month Year Filed)
(Tag Monat Jahr eingereicht)

☐ ☐
Yes No
Ja Nein

Ich beanspruche hiermit gemäss Absatz 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmeldungen und falls der Gegenstand aus jedem Anspruch dieser Anmeldung nicht in einer früheren amerikanischen Patentanmeldung laut dem ersten Paragraphen des Absatzes 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 122 offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum der früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §122, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date)
(Anmeldedatum)

(Status)
(patentiert, anhängig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date)
(Anmeldedatum)

(Status)
(patentiert, anhängig,
aufgeben)

(Status)
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abandoned)

Ich erkläre hiermit, dass alle von mir in der vorliegenden Erklärung gemachten Angaben nach meinem besten Wissen und Gewissen der vollen Wahrheit entsprechen, und dass ich diese eidesstattliche Erklärung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemäss Paragraph 1001, Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden können, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwälte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: (Name und Registrationsnummer anführen)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

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And I hereby appoint

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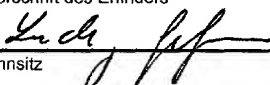
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(Supply similar information and signature for third and subsequent joint inventors).